TABLE 9. EVALUATION OF ALTERNATIVES TO MEET RAOS

Remedial Action Objectives	Alternative A Limited Soil Capping; Natural Attenuation; Ground Water Monitoring; Institutional Controls	Alternative B Low Permeability Cap (with stormwater controls); Natural Attenuation; Ground Water Monitoring; Institutional Controls	Alternative C Shallow Excavation of Soils; Filling of 15 Feet Over the Site; Natural Attenuation; Ground Water Monitoring; Institutional Controls	Alternative D Shallow Barrier Wall Between Site and River; Limited Soil Capping; Natural Attenuation; Ground Water Monitoring; Institutional Controls	Alternative E Streambank Bioengineering; Limited Soil Capping; Natural Attenuation; Ground Water Monitoring; Institutional Controls
Prevent human exposure to contaminated soils	Limited soil capping; institutional controls	Low permeability cover; institutional controls	Shallow excavation of soil, filling to 15 feet	Limited soil capping; institutional controls	Limited soil capping; institutional controls
Prevent impacted soil from being released to the Spokane River by erosion				Shallow barrier wall	Streambank Bioengineering
Minimize the potential for leaching of contaminants from soils to ground water		Low permeability cover, stormwater management	Shallow soil excavation		
Prevent human ingestion and exposures to contaminated ground water	Institutional controls	Institutional controls	Institutional Controls	Institutional Controls	Institutional Controls
Prevent changes in hydrogeologic conditions that will likely cause migration of contamination	Institutional controls	Institutional controls	Institutional Controls	Institutional Controls	Institutional Controls
Ensure that the Spokane River is not impacted by any future significant increase in mass flux of contaminants through storm water migration.	Institutional controls	Stormater management, Institutional Controls	Institutional Controls	Institutional Controls	Institutional Controls
Ensure that contaminated ground water with concentrations levels above the standards does not migrate beyond the contaminated soil area	Natural attenuation; ground water monitoring	Natural attenuation; ground water monitoring	Natural attenuation; ground water monitoring	Natural attenuation; ground water monitoring	Natural attenuation; ground water monitoring
Ensure that NAPL is not mobilized	Institutional Controls	Institutional Controls	Institutional Controls	Institutional Controls	Institutional Controls